

In the Claims

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1. (currently amended) An automated banking machine apparatus comprising:

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at least one computer;

a plurality of transaction function devices in operative connection with the at least one computer;

a first display device and a second display device in operative connection with the at least one computer;

a first ~~type~~ input device of a first type associated with the first display device and a second ~~type~~ input device of a second type and different from the first type associated with the second display device, each of the first and second ~~type~~ input devices in operative connection with the at least one computer; and

at least one software application operative in the at least one computer, wherein the at least one software application is operative to determine the first and the second types of the first and the second input devices, wherein the at least one software application is operative to cause a first user interface to be output through the first display device responsive to the ~~associated~~ determined first type of the first input device, and wherein

the at least one software application is operative to cause a second user interface different from the first user interface to be output through the second display device responsive to the ~~associated~~ determined second type of the second input device.

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2. (currently amended) The apparatus according to claim 1, wherein the at least one computer is operative to cause a desktop environment to be generated, wherein the desktop environment spans the first and second display devices.

3. (original) The apparatus according to claim 2, wherein the at least one computer is operative responsive to the at least one software application to cause the first user interface to be produced in a first portion of the desktop environment that is being output through the first display device, and to cause the second user interface to be produced in a second portion of the desktop environment that is being output through the second display device.

4. (original) The apparatus according to claim 1, further comprising at least one first document in operative connection with the at least one computer, wherein the at least one computer is operative to cause output of the first and second user interfaces responsive to the at least one first document.

5. (original) The apparatus according to claim 4, wherein the at least one first document includes a plurality of command instructions that correspond to hardware independent user interface elements.

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6. (currently amended) The apparatus according to claim 5 wherein the at least one software application includes at least one event processor, wherein the command instructions are operative to specify an event processor, wherein the at least one computer is operative to invoke an event processor responsive to at least one of the command instructions and responsive to an input from either the at least one first type input device or the at least one second type input device.

7. (original) The apparatus according to claim 6, wherein the at least one computer is operative responsive to the event processor to cause the machine to perform at least one maintenance related function.

8. (original) An automated banking machine apparatus comprising:

a computer;

at least two user stations in operative connection with the computer, wherein each user station includes at least one display device and at least one input device; and

at least one software application operative in the computer, wherein the software application is operative to determine at least one capability of at least one input device included in each user station, and wherein the at least one software application is operative to cause a user interface to be output through the display device included in

each user station, wherein the user interface for a user station is output responsive to the at least one capability associated with the at least one input device included in the user station.

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9. (currently amended) The apparatus according to claim 8, wherein for each user station, the corresponding user interface includes at least one user interface element that is adapted, responsive to the determined at least one capability, for user interaction through the at least one input device included in the user station.

10. (original) The apparatus according to claim 8, further comprising a document in operative connection with the computer, wherein the document includes a plurality of command instructions, wherein the at least one software application is operative to output the user interface for each user station, responsive to the command instructions.

11. (currently amended) The apparatus according to claim 10, wherein an input device included in a first of the user stations includes a pointing device, and wherein an input device included in a second of the user stations includes at least one ~~function~~ key, wherein ~~wherein~~ the at least one software application, responsive to a first command instruction in the document and a determined capability of the pointing device, is operative to generate a first user interface element in the first user interface that is ~~associated~~ adapted for selection with ~~a first input from the pointing device, and wherein~~ and wherein the at least one software application, responsive to the first command instruction and a determined capability of the at least one key, is

operative to generate a second user interface element in the second user interface that is associated adapted for selection with ~~a second input from the~~ at least one function key.

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12. (currently amended) The apparatus according to claim 11, further comprising at least one event processor software component in operative connection with the computer, wherein the at least one software application is operatively responsive to the first command instruction and either the a selection of the first user interface element with at least one first input from the pointing device or the a selection of the second user interface element with at least one second input from the at least one key, to invoke a common function of the event processor component.

13. (original) The apparatus according to claim 12, further comprising at least one transaction function device in operative connection with the computer, wherein the event processor component is operative to cause the at least one transaction function device to perform an operation responsive to either the first input or the second input.

14. (currently amended) The apparatus according to claim 11, wherein the computer is operative responsive to the ~~first or second inputs~~ first command instruction and either a selection of the first user interface element with at least one first input from the pointing device or a selection of the second user interface element with at least one second input from the at least one key, to have the machine perform a common maintenance operation.

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15. (original) The apparatus according to claim 10, further comprising at least one second document that is associated with the first document, wherein the first document includes a first command instruction and a second command instruction; wherein the second document includes a third command instruction that corresponds to the first command instruction; wherein the first command instruction includes a first label in a first human language; wherein the third command instruction includes a second label in a second human language that has a meaning corresponding to the first label; and wherein the at least one software application is operative to output each user interface with indicia in the second human language responsive to both the first and second documents.

16. (original) The apparatus according to claim 15, wherein the at least one software application is operative to generate each user interface with user interface elements that correspond to the second and third command instructions.

17. (original) The apparatus according to claim 16, wherein the at least one software application is operative to generate each user interface responsive to the second label being substituted for the first label.

18. (original) A method comprising:

- a) providing at least one first document to an automated banking machine;

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- b) determining at least one first type associated with a first input device on the machine, wherein the first input device is associated with at least one first display device on the machine;
 - c) presenting at least one first user interface through the first display device, responsive to the determined at least one first type and the at least one first document.
19. (original) The method according to claim 18, further comprising:
- d) determining at least one second type associated with a second input device on the machine, wherein the second input device is associated with a second display device on the machine;
 - e) presenting at least one second user interface through the second display device, responsive to the determined at least one second type and the at least one first document.
20. (original) The method according to claim 19, further comprising:
- f) performing a first function responsive to the at least one first document and a first input through the first input device; and

- g) performing the first function responsive to the at least one first document and a second input through the second input device.

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21. (original) The method according to claim 20, wherein in each of steps (f) and (g), performing the first function includes dispensing cash from the machine.

22. (original) The method according to claim 20, wherein in each of steps (f) and (g), performing the first function includes performing a maintenance related operation with the machine.

23. (original) The method according to claim 20, wherein in each of steps (f) and (g), performing the first function includes invoking at least one event processor specified by the first document.

24. (currently amended) A ~~The method comprising: according to claim 18;~~

a) providing at least one first document and at least one second document to an automated banking machine;

b) determining at least one first type associated with a first input device on the machine, wherein the first input device is associated with at least one first display device on the machine;

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- c) presenting at least one first user interface through the first display device,
responsive to the determined at least one first type, the at least one first document,
and the wherein in step (c) the first user interface is presented further responsive
to at least one second document, wherein the at least one second document
includes at least one language translation of indicia included in the first document.

25. (original) The method according to claim 24, further comprising:

- h) substituting for a first command instruction in the at least one first document, a
second corresponding command instruction in the at least one second document,
wherein the first command instruction includes a first label in a first human
language and wherein the second command instruction includes a second label in
a dialect of the first human language.

26. (currently amended) Computer readable media bearing instructions which are
operative to cause at least one computer in ~~the~~ an automated banking machine to cause the
machine to carry out a method comprising: the method steps recited in claim 18

- a) receiving at least one first document through operation of the at least one
computer in the automated banking machine;

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- b) determining through operation of the at least one computer at least one first type associated with a first input device on the machine, wherein the first input device is associated with at least one first display device on the machine;
- c) presenting at least one first user interface through the first display device, responsive to the determined at least one first type and the at least one first document.

27. (new) The method according to claim 19, wherein the first input device and the second input device correspond to different types of input devices, and further comprising:

- f) including in the first user interface at least one first user interface element that is adapted responsive to step (b) for selection by the first input device.
- g) including in the second user interface at least one second user interface element that is adapted responsive to step (d) for selection by the second input device.

28. (new) The method according to claim 27, wherein the document includes a markup language document, wherein the markup language document includes at least one instruction which specifies the inclusion of a user interface element in a user interface generated responsive to the markup language document, wherein steps (f) and (g) are carried out responsive to the at least one instruction in the markup language document.

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29. (new) The apparatus according to claim 1, wherein the automated banking machine includes a first user station and a second user station, wherein the first display device and the first input device are accessible by a user positioned adjacent the first user station, wherein the second display device and the second input device are accessible by a user positioned adjacent the second user station, wherein both the first user interface and the second user interface are adapted to enable an authorized user to perform servicing operations with the machine while positioned adjacent either the first user station or the second user station of the machine.

30. (new) The apparatus according to claim 1, wherein the at least one software application is operative responsive to the determined first type, to include in the first user interface, at least one first user interface element which is adapted for selection using the first input device, wherein the at least one software application is operative responsive to the determined second type to include in the second user interface, at least one second user interface element which is adapted for selection using the second input device, wherein the computer is operative to perform a common servicing operation responsive to selection of either the at least one first or the at least one second user interface elements.

31. (new) The apparatus according to claim 30, wherein the first input device includes a plurality of keys, wherein the second input device includes a pointer device.

32. (new) The apparatus according to claim 30, further comprising a markup language document in operative connection with the at least one computer, wherein the at least one

software application is further operative to cause the computer to output the first and second user interface elements responsive to the markup language document.

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33. (new) The apparatus according to claim 32 wherein the at least one software application includes a plurality of event processors, wherein the markup language document includes a first command instruction which specifies a first one of the event processors, wherein the software application is operative to generate the first and second user interface elements responsive to the command instruction, wherein the at least one software application is operative to invoke the first one of the event processors responsive to the command instruction and responsive to either the first user interface element being selected with the first input device or the second user interface element being selected with the second input device, wherein the event processor is operative to cause the computer to perform the servicing operation.

34. (new) The apparatus according to claim 30, wherein the first user interface element is visually different from the second user interface element.

35. (new) The apparatus according to claim 30, wherein at least one of the transaction function devices includes a cash dispenser, wherein the servicing operation includes servicing the cash dispenser.

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36. (new) The apparatus according to claim 30, wherein the at least one computer is operative to receive at least one first input through the first input device, wherein the at least one computer is operative to receive at least one second input through the second input device, wherein the at least one software application is operative to cause the first user interface to be output through the first display device responsive to the at least one first input and wherein the at least one software application is operative to cause the second user interface to be output through the second display device responsive to the at least one second input.

37. (new) An automated banking machine apparatus comprising:

a computer;

a cash dispenser in operative connection with the computer;

at least two user stations in operative connection with the computer, wherein a first user station includes at least one first display device and at least one first input device and a second user station includes at least one second display device and at least one second input device;

at least one electronic document in operative connection with the computer, wherein the at least one electronic document includes at least one command instruction; and

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a software application operative in the computer, wherein the software application is operative to cause the computer to determine a first input device type and a second input device type associated respectively with the at least one first input device and the at least one second input device, and to cause a first user interface and a second user interface to be output respectively through the at least one first display and the at least one second display, and to include in the first user interface responsive to the at least one command instruction and the first input device type, at least one first user interface element adapted to be selected through the at least one first input device, and to include in the second user interface responsive to the at least one command instruction and the second input device type, at least one second user interface element adapted to be selected through the at least one second input device.

38. (new) The apparatus according to claim 37, wherein the at least one first input device comprises a key pad, wherein the at least one second input device comprises a pointing device, wherein the at least one first user interface element is adapted for selection using the keypad, wherein the at least one second user interface element is adapted for selection using the pointing device.

39. (new) The apparatus according to claim 38, wherein the software application is operative to cause the computer responsive to the selection of either the at least one first user interface element or the at least one second user face element, to cause the machine to perform a servicing function.

40. (new) The apparatus according to claim 37, wherein the at least one electronic

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document includes a markup language document.
